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APPLICATION NO.	FI	LING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/699,220	1	0/31/2003	Jim Musbach	004-4-1	2794
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LAW OFF P.O. BOX :		HARLES E. KRU	VERBITSKY, GAIL KAPLAN		
	WALNUT CREEK, CA 94596-1607			ART UNIT	PAPER NUMBER
	·			2859	-
				DATE MAILED: 06/09/2005	

Please find below and/or attached an Office communication concerning this application or proceeding.

	<u> </u>					
	Application No.	Applicant(s)				
Office Action Summary	10/699,220	MUSBACH ET AL.				
Office Action Summary	Examiner	Art Unit				
The MAN INC DATE of this communication con	Gail Verbitsky	2859				
The MAILING DATE of this communication app Period for Reply	ears on the cover sheet with the c	orrespondence address				
A SHORTENED STATUTORY PERIOD FOR REPLY THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.13 after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, a reply If NO period for reply is specified above, the maximum statutory period w - Failure to reply within the set or extended period for reply will, by statute, Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	36(a). In no event, however, may a reply be time within the statutory minimum of thirty (30) days rill apply and will expire SIX (6) MONTHS from cause the application to become ABANDONE	nely filed s will be considered timely. the mailing date of this communication. O (35 U.S.C. § 133).				
Status		-				
2a) ☐ This action is FINAL . 2b) ☑ This 3) ☐ Since this application is in condition for allowar	Responsive to communication(s) filed on 11 March 2005 . This action is FINAL . 2b) This action is non-final. Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.					
Disposition of Claims						
4) ⊠ Claim(s) 1,5 and 6 is/are pending in the application 4a) Of the above claim(s) is/are withdraw 5) □ Claim(s) is/are allowed. 6) ⊠ Claim(s) 1,5 and 6 is/are rejected. 7) □ Claim(s) is/are objected to. 8) □ Claim(s) are subject to restriction and/or	vn from consideration.					
Application Papers						
9) ☐ The specification is objected to by the Examine 10) ☑ The drawing(s) filed on 11 March 2005 is/are: a Applicant may not request that any objection to the a Replacement drawing sheet(s) including the correct 11) ☐ The oath or declaration is objected to by the Ex	a)⊠ accepted or b)□ objected to drawing(s) be held in abeyance. Sec ion is required if the drawing(s) is ob	e 37 CFR 1.85(a). jected to. See 37 CFR 1.121(d).				
Priority under 35 U.S.C. § 119						
12) Acknowledgment is made of a claim for foreign a) All b) Some * c) None of: 1. Certified copies of the priority documents 2. Certified copies of the priority documents 3. Copies of the certified copies of the priority application from the International Bureau * See the attached detailed Office action for a list	s have been received. s have been received in Applicati rity documents have been receive u (PCT Rule 17.2(a)).	on No ed in this National Stage				
Attachment(s) 1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date	4) Interview Summary Paper No(s)/Mail D 5) Notice of Informal F 6) Other:					

DETAILED ACTION

Claim Rejections - 35 USC § 103

- 1. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:
 - (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.
- Claim 1 is rejected under 35 U.S.C. 103(a) as being unpatentable over Kienitz
 (U.S.20040264542, effective filing date 03/13/2002) in view of Sorensen (U.S. 5335308), Blair
 (U.S. 6277067) and Winnard (U.S. 6614337).

Kienitz discloses a device/ IR radiometer having a laser sighting system (paragraph [0016]); an IR sensor (detector) with detector optics for focusing IR radiation emitted by an energy zone/ target surface onto the detector (temperature mode) and a digital camera (photography mode) (paragraphs [0038] and [0044]), all located in a portable hand-held housing, as shown in Fig. 1. The device also has a temperature display. Kienitz states that the device is usable in an industrial repair service (paragraph [0018]).

Kienitz does not explicitly teach the particular sighting system, a magnetic base, and that the repair service is repair of automobiles, as claimed by applicant.

Sorensen discloses in Fig. 7 a device in the field of applicant's endeavor comprising an optical pyrometer/ IR sensor (detector) 62, inherently, having an IR optic, the detector 62 is sensing heat/ temperature/ IR on a surface of a target body during repair (automobile) 100; a cross beamed dual laser 90, 92 including two lasers oriented to have their beams crossed at an

optical path of the detector 62. Sorensen is silent about the beams of the lasers are crossing at the focus or the IR optics.

Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to use the device during automobile repair, as taught by Sorensen, so as to have illuminate a target surface with a sighting device and enhance an energy spot of interest, so as to allow the operator to evaluate the results of repair by measuring temperature of the exact spot on the surface.

Blair teaches a portable apparatus/ device comprising/ containing a dual laser sighting system including two lasers 24 oriented to have their beams cross (converge) at the focal point of a detector (camera) 30 optics, so as to ensure that a target surface is properly focused in the detector, so as to generate accurate data of the target surface. The detector and the sighting system are, inherently, located in the common housing, as shown in Fig. 4.

Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to modify the device disclosed by Kienitz, so as to have such a sighting system that has the beams crossed at the focus of the detector's optics, as taught by Blair, so as to receive an enhanced spot/illuminated delineation on the target surface and ensuring that the surface is properly focused, in order to achieve more accurate results when inspecting the surface.

Winnard discloses in Fig. 1 a device having a magnetic surface/ base; the device is attachable to any surface including a surface of a car, so as to attach a tool/ instrument.

Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to modify the device disclosed by Kienitz, so as to add a magnetic base, as

taught by Winnard, to the device disclosed by Kienitz, so as to make the device attachable to an automobile during inspection, and thus, to allow the operator to fix it at any desirable position, in order to inspect any point of the target surface of the automobile from the best available position.

3. Claim 5 is rejected under 35 U.S.C. 103(a) as being unpatentable over Kienitz, Sorensen (U.S. 5335308), Blair (U.S. 6277067) and Winnard (U.S. 6614337), as applied to claim 1, and further in view of Chung et al. (U.S. 20030202558) [hereinafter Chung].

Kienitz, Sorensen, Blair and Winnard disclosed the device as stated above.

They do not explicitly teach the particular display, as stated in claim 5.

Chang discloses an IR thermometer having a temperature display, the display comprising a flashing backlighting (backlite) supplied by different color (highlights) LED.

Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to modify the display of the device disclosed by Kienitz, so as to have a flashing colored backlighting, as taught by Chung, so as to attract the operator attention on the temperature data, so as to take appropriate and timely actions.

4. Claim 6 is rejected under 35 U.S.C. 103(a) as being unpatentable over Kienitz, Sorensen (U.S. 5335308), Blair (U.S. 6277067) and Winnard (U.S. 6614337), as applied to claim 1, and further in view of Hollander et al. (U.S. 6095682) [hereinafter Hollander] and Chung et al. (U.S. 20030202558) [hereinafter Chung].

Kienitz, Sorensen, Blair and Winnard disclosed the device as stated above.

They do not explicitly teach the particular display, as stated in claim 6.

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Hollander discloses in Fig. 1 a device in the field of applicant's endeavor comprising an emissivity indicator and maximum temperature value on the display. It is inherent, that the maximum value would be updated depending on the particular temperature measurements.

Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to modify the display of the device disclosed by Kienitz, so as to have a maximum temperature value on the display, as taught by Hollander, so as to allow the operator to immediately evaluate if the measured temperature is above maximal predetermined temperature and to enable the operator take necessary actions.

Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to modify the display of the device disclosed by Kienitz, so as to have indicate a set emissivity data, as taught by Hollander, so as to allow the operator to evaluate temperature with consideration of the correction factor for emissivity.

Chung discloses an IR thermometer having a temperature display, the display comprising a C/F switch (symbol), a low battery indicator and flashing backlighting (backlite) supplied by different color (highlights) LED.

Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to modify the display of the device disclosed by Kienitz, so as to have a C/F symbol, as taught by Chung, so as to allow the operator to use the device in different temperature system, and thus, make it useful with European devices.

Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to modify the display of the device disclosed by Kienitz, so as to have a low

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battery indicator, as taught by Chung, so as to remind the operator to replace or charge the battery, in order to provide a proper and timely maintenance of the device.

Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to modify the display of the device disclosed by Kienitz, so as to have a flashing colored backlighting, as taught by Chung, so as to attract the operator attention on the temperature data, so as to take appropriate and timely actions.

5. Claim 1 is rejected under 35 U.S.C. 103(a) as being unpatentable over Hollander et al. (U.S. 6095682) in view of Sorensen (U.S. 5335308), Blair (U.S. 6277067) and Winnard (U.S. 6614337).

Hollander discloses a device/ IR radiometer having a laser sighting system; an IR sensor (detector) with detector optics (lens) for focusing IR radiation emitted by an energy zone/ target surface onto the detector, all located in a portable hand-held housing, as shown in Fig. 1. The device also has a temperature display. Holander discloses in Fig. 1 a device in the field of applicant's endeavor comprising an emmissivity indicator and maximum temperature value on the display. It is inherent, that the maximum value would be updated depending on the particular temperature measurements.

Hollander does not explicitly teach the particular sighting system, a magnetic base, and that the repair service is repair of automobiles, as claimed by applicant.

Sorensen discloses in Fig. 7 a device in the field of applicant's endeavor comprising an optical pyrometer/ IR sensor (detector) 62, inherently, having an IR optic, the detector 62 is sensing heat/ temperature/ IR on a surface of a target body during repair (automobile) 100; a cross beamed dual laser 90, 92 including two lasers oriented to have their beams crossed at an

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optical path of the detector 62. Sorensen is silent about the beams of the lasers are crossing at the focus or the IR optics.

Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to use the device during automobile repair, as taught by Sorensen, so as to have illuminate a target surface with a sighting device and enhance an energy spot of interest, so as to allow the operator to evaluate the results of repair by measuring temperature of the exact spot on the surface.

Blair teaches a portable apparatus/ device comprising/ containing a dual laser sighting system including two lasers 24 oriented to have their beams cross (converge) at the focal point of a detector (camera) 30 optics, so as to ensure that a target surface is properly focused in the detector, so as to generate accurate data of the target surface. The detector and the sighting system are, inherently, located in the common housing, as shown in Fig. 4.

Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to modify the device disclosed by Hollander, so as to have such a sighting system that has the beams crossed at the focus of the detector's optics, as taught by Blair, so as to receive an enhanced spot/illuminated delineation on the target surface and ensuring that the surface is properly focused, in order to achieve more accurate results when inspecting the surface.

Winnard discloses in Fig. 1 a device having a magnetic surface/ base; the device is attachable to any surface including a surface of a car, so as to attach a tool/ instrument.

Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to modify the device disclosed by Hollander, so as to add a magnetic base, Application/Control Number: 10/699,220 Page 8

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as taught by Winnard, to the device disclosed by Hollander, so as to make the device attachable to an automobile during inspection, and thus, to allow the operator to fix it at any desirable position, in order to inspect any point of the target surface of the automobile from the best available position.

6. Claim 5 is rejected under 35 U.S.C. 103(a) as being unpatentable over Hollander, Sorensen (U.S. 5335308), Blair (U.S. 6277067) and Winnard (U.S. 6614337), as applied to claim 1, and further in view of Chung et al. (U.S. 20030202558) [hereinafter Chung].

Hollander, Sorensen, Blair and Winnard disclosed the device as stated above.

They do not explicitly teach the particular display, as stated in claim 5.

Chang discloses an IR thermometer having a temperature display, the display comprising a flashing backlighting (backlite) supplied by different color (highlights) LED.

Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to modify the display of the device disclosed by Hollander, so as to have a flashing colored backlighting, as taught by Chung, so as to attract the operator attention on the temperature data, so as to take appropriate and timely actions.

7. Claim 6 is rejected under 35 U.S.C. 103(a) as being unpatentable over Hollander, Sorensen (U.S. 5335308), Blair (U.S. 6277067) and Winnard (U.S. 6614337), as applied to claim 1, and further in view of Chung et al. (U.S. 20030202558) [hereinafter Chung].

Hollander, Sorensen, Blair and Winnard disclosed the device as stated above.

They do not explicitly teach the particular display, as stated in claim 6.

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Chung discloses an IR thermometer having a temperature display, the display comprising a C/F switch (symbol), a low battery indicator and flashing backlighting (backlite) supplied by different color (highlights) LED.

Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to modify the display of the device disclosed by Hollander, so as to have a C/F symbol, as taught by Chung, so as to allow the operator to use the device in different temperature system, and thus, make it useful with European devices.

Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to modify the display of the device disclosed by Hollander, so as to have a low battery indicator, as taught by Chung, so as to remind the operator to replace or charge the battery, in order to provide a proper and timely maintenance of the device.

Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to modify the display of the device disclosed by Hollander, so as to have a flashing colored backlighting, as taught by Chung, so as to attract the operator attention on the temperature data, so as to take appropriate and timely actions.

Response to Arguments

8. Applicant's arguments are considered and fully persuasive. However, the claims are now rejected in view of new ground of rejection.

Conclusion

9. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. The prior art cited in the PTO-892 and not mentioned above disclose related devices and methods.

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Hollander et al. (U.S. 5823679) discloses in Fig. 12 a device comprising a IR temperature measuring and processing device including an IR optics, inherently having a focal length, the optic directing an IR energy from an energy zone from a target onto an IR sensor so as to determine the temperature of the target at the energy zone. The device has a dual laser sighting device. Hollander does not teach beam crossing.

Hollander discloses in Fig. 12 a device comprising a dual laser device for illuminating (visibly outlining periphery, col. 4, lines 44-61) an area around the center of an energy zone of a target. Hollander does not teach beam crossing.

Daringer et al. (U.S. 4315150) discloses an IR thermometer having a sighting system comprising two intersecting light beams and an IR detector to detect IR from a target surface. The thermometer is located in housing, as shown in Fig. 1. Daringer does not teach beam crossing at the focus of the IR optics.

Any inquiry concerning this communication should be directed to the Examiner Verbitsky who can be reached at (571) 272-2253 Monday through Friday 8:00 to 4:00 ET. 6. Verlistery

GKV

Gail Verbitsky

Primary Patent Examiner, TC 2800

June 03, 2005